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Substitute for form 1449A/PTO	Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Uso as many sheets as necessary)	<b>Application Number</b>	10/815,171	
	Filing Date	March 31, 2004	
·	First Named Inventor	Tinsley, Keith	
	Group Art Unit	2681 26()	
	Examiner Name	Unknown NURUL MATIN	
Sheet 1 of 2	Attorney Docket No: 884.B69US1		

US PATENT DOCUMENTS				
Examiner initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
/NM/	US-2001/0033576A1	10/25/2001	Richards, J. L.	01/18/2001
-	US-2002/0071509A1	06/13/2002	Richards, J. L., et al.	07/20/2001
<del>/{NM/</del>	US-2002/0097790A1	07/25/2002	Dress, Jr., W. B., et al.	02/25/2002
/NM/	US-2003/0053555A1	03/20/2003	McCorkle, J. W., et al.	09/30/2002
/NM/	US-2003/0161411A1	08/28/2003	McCorkle, J. W., et al.	11/27/2002
/NM/	US-2004/0005914A1	01/08/2004	Dear, J. P.	07/08/2002
/NM/	US-2004/0017840A1	01/29/2004	Siwiak, K.	07/26/2002
/NM/"	US-2004/0032354A1	02/19/2004	Knobel, Y., et al.	08/25/2003
	US-2004/0047285A1	03/11/2004	Foerster, J. R., et al.	09/11/2002
/NM/ /NM/	US-2004/0048574A1	03/11/2004	Walker, M. L., et al.	02/20/2003
/NM/	US-2004/0071118A1	04/15/2004	Dabiak, A. G., et al.	08/25/2003
/NM/	US-2004/0077306A1	04/22/2004	Shor, G., et al.	08/18/2003
/NM/	US-2004/0125859A1	07/01/2004	Green, E., et al.	12/31/2002
/NM/	US-2004/0131130A1	07/08/2004	Shor, G., et al.	08/18/2003
/NM/	US-4,181,889	01/01/1980	Davis, J. L., et al.	09/05/1978
/NM/	US-4,577,335	03/18/1986	Wong, H., et al.	01/09/1984
7NM/	US-5,677,927	10/14/1997	Fullerton, L. W., et al.	09/20/1994
/NM/	US-5,945,940	08/31/1999	Cuomo, K. M.	03/12/1998
/NM/	US-6,384,773	05/07/2002	Martin, G. P., et al.	12/15/2000
/NM/	US-6,490,328	12/03/2002	Wu, Q.	05/11/1999
/NM/	US-6,529,166	03/04/2003	Kanamaluru, S.	03/27/2001
/NM/	US-6,570,444	05/27/2003	Wright, A. S.	01/26/2001
/NM/	US-6,577,691	06/10/2003	Richards, J. L., et al.	07/20/2001
/NM/	US-6,606,350	08/12/2003	Dress, Jr., W. B., et al.	02/25/2002
/NM/	US-6,922,451	07/26/2005	Ichihara, M.	04/14/2000
/NM/	US-6,937,667	08/30/2005	Fullerton, L. W., et al.	03/29/2000
7NM/	US-6,950,485	09/27/2005	Richards, J. I., et al.	12/26/2002
/NM/	US-6,952,456	10/04/2005	Aiello, R., et al.	06/21/2000
/NM/	US-6,959,032	10/25/2005	Richards, J. L., et al.	08/15/2000

	FOI	REIGN PATENT	DOCUMENTS	
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
/NIM/	WO-01/99305A2	12/27/2001	Alello, R., et al.	
<del>/(1)(1)/</del>	WO-2004/025853A2	03/25/2004	Foerster, J., et al.	
/NM/ NM/	WO-2004/062128A2	07/22/2004	Green, E., et al.	
/NM/	WO-2005/099115A1	10/20/2005	Tinsley, K., et al.	

**EXAMINER** 

/Nurul Matin/

DATE CONSIDERED

01/16/2008

PTC//SB/CRA(10-01)
Approved for use through 10/31/2002, OAGS 661-0031
Patent & Tradement Office U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO	Complete il Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Uso es many sheels as necessary)	Application Number	10/815,171	
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	First Named Inventor	Tinsley, Keith	
	Group Art Unit	2681 2611	
	Examiner Name	Unknown NURVU MATIN	
Sheet 2 of 2	Attorney Docket No: 884.B69US1		

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>*</sup>
/NM/		"PulsON™ Technology - Time Modulated Ultra-Wideband for Wireless Applications", <a href="http://www.timedomain.com/Files/downloads/techpapers/">http://www.timedomain.com/Files/downloads/techpapers/</a> PulsONoverview.pdf, (2000), 13 pgs.	
/NM/		TAYLOR, J. D., Introduction to Ultra-Wideband Radar Systems, CRC Press, Inc., Boca Raton, FL.(1995), 118-119, 140-143	
/NM/		YANG, LL., et al., "Residue Number System Assisted Fast Frequency-Hopped Synchronous Ultra-Wideband Spread-Spectrum Multiple-Access: A Design Alternative to Impulse Radio", IEEE Journal on Selected Areas in Communications, 20(9), (2002), 1652-1663	

**EXAMINER** 

/Nurul Matin/

DATE CONSIDERED

01/16/2008

	Under the Paperwork Reduction Act of 1995, no persons are	required to respond to a collection of information unless it contains a valid QMB control number	
Substitute for form 1449A/PTO INFORMATION DISCLOSURE	Complete if Known		
	Application Number	10/815,171	
STATEMENT BY APPLICANT (Use as many sheets as ne'te san)	Filing Date	March 31, 2004	
	First Named Inventor	Tinsley, Keith	
WIR O 8 SOUR SE	Group Art Unit	2681 261	
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Sheet 1 of 1	Attorney Docket No: 8	384.B69US1	

		US P	ATENT DOCUMENTS	
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
/NM/	US- 2003/0052727 A1	03/20/2003	Komurasaki, H., et al.	07/12/2002

		FOREIGN PATEN	IT DOCUMENTS	
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T²
/NM/	WO-01/39451A1	05/31/2001	Harbin, L.	
/NM/	WO-01/93520A2	12/06/2001	Mccorkle, J. W.	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/NM/	-	"International Search Report for corresponding PCT Application No. PCT/US2005/010179", (Attorney Docket No. 884.B69WO1),(July 12, 2005),4 pgs.	
/NM/		CHUDOBIAK, M. J., et al., "Subnanosecond 300 V Diffused Step Recovery Diode", http://www.avtechpulse.com/papers/subnano/,(2004),6 pages	
/NM/		KRUGER, A., "Tunnel Diodes", ChipCenter Questlink - Passive/Active Components (http://archive.chipcenter.com/eexpert/akruger/akruger059.html), (2003), 3 pgs.	
/NM/		WU, Z, et al., "High Performance Ultra-Wide Bandwidth Systems via Novel Pulse Shaping and Frequency Domain Processing", IEEE Conference on Ultra Wideband Systems and Technologies, 2002, (May 21, 2002),53-58	
/NM/		ZIMMER, R., et al., "A Simple Method of Generating UWB Pulses", Eight IEEE International Symposium on Spread Spectrum Techniques and Applications - Programme and Book of Abstracts, IEEE Piscataway, NJ, USA,(Aug. 30, 2004), 112-114	

**EXAMINER** 

/Nurul Matin/

DATE CONSIDERED

04/25/2007